

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/521,334
		Filing Date	October 27, 2005
		First Named Inventor	Mikhail I. Papisov
		Art Unit	1626
		Examiner Name	Chu, Yong Liang
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		Attorney Docket Number	0492479-0041 (MGH 2170 US)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
N.C./	A1*	US-5,075,222		12-24-1991	Hannum et al.	
	A2*	US-5,582,172		12-10-1996	Papisov et al.	
	A3*	US-5,624,803		04-29-1997	Noonberg et al.	
	A4*	US-5,811,510		09-22-1998	Papisov	
	A5*	US-5,817,343		10-06-1998	Burke	
	A6*	US-5,824,784		10-20-1998	Kinstler et al.	
	A7*	US-5,863,990		01-26-1999	Papisov	
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	A21*	US-20080019940		01-24-2008	Papisov	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number/Kind Code <sup>4</sup> (if known)				
N.C./        N.C./	B1	EP-0280474-A2		08-31-1988	Johnson Matthey Inc		
	B2	EP-0325270-A2		07-26-1989	Green Cross Corp		
	B3	WO-9605309-A2		02-22-1996	Univ Rockefeller et al.		
	B4	WO-9640912-A1		12-19-1996	Amgen Inc		
	B5	WO-9930561-A1		06-24-1999	Nexstar Pharmaceuticals Inc		
	B6	WO-0107486-A1		02-01-2001	Polygene Ltd et al.		
	B7	WO-0110468-A2		02-15-2001	Gen Hospital Corp et al.		
	B8	WO-0305988-A2		07-24-2003	Gen Hospital Corp et al.		

\*EXAMINER, initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>2</sup> Applicants' unique citation designation number (optional). <sup>3</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.34. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
4597783v 1	/Yong Chu/		
		Date Considered	04/03/2010

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				
Sheet	2	of	3	

N.C.J	C1	Conover, C. et al. Physiological Effect of Polyethylene Glycol Conjugation on Stroma-Free Bovine Hemoglobin in the Conscious Dog After Partial Exchange Transfusion, Artificial Organs, Vol. 21, No. 5, 1997, pp 369-378	
	C2	Endo et al. Nature of Linkage and Mode of Action of Methotrexate Conjugated with Antitumor Antibodies: Implications for Future Preparation of Conjugates. Cancer Research. (1988), 48, p. 3330-3335	
	C3	Feng et al. Bioorg. Med. Chem. Lett. (2002) 12, pp. 3301-3303	
	C4	Gao Q. et al. Drug-induced DNA repair: X-ray structure of a DNA-diclerallium complex Proc. Natl. Acad. Sci. USA Vol. 88, pp 2422-2426, March 1991 Biochemistry	
	C5	Jordan, V. C. Nature Reviews: Drug Discovery, 2, 2003, p. 205-213	
	C6	Maeda, H et al. Conjugates of anticancer agents and polymers. advantages of macromolecular therapeutics in vivo. Bioconj. Chem. 1992, 3:351-362	
	C7	Matysiak S. Acetal Oligonucleotide Conjugates In Antisense Strategy Nucleosides & Nucleotides, 16(5&6), pp 855-861 (1997)	
	C8	Papisov M.I. et al. Semisynthetic Hydrophilic Polyals Biomacromolecules 2005, vol. 6, pp 2659-2670	
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	C10	Papisov, M. (2001) Acyclic polyacetals from polysaccharides. (Biopolymers from polysaccharides and agroproteins), ACS Symposium Series 786, pp. 301-314	
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	C14	Papisov, Ml et al. (1998) Model cooperative (multivalent) vectors for drug targeting. 25th Int. Symp. on Controlled Release of Bioactive Materials, 1998, Las Vegas, Nevada, USA; Controlled Release Society, Deerfield, IL, 170-171	
	C15	Papisov, Ml. Modeling in vivo transfer of long-circulating polymers (two classes of long circulating polymers and factors affecting their transfer in vivo). Adv. Drug Delivery Rev., Special issue on long circulating drugs and drug carriers, 1995, 16:127-139	
	C16	Papisov, Ml. Theoretical considerations of RES-avoiding liposomes: molecular mechanics and chemistry of liposome interactions. Adv. Drug Delivery Rev. 1998, 32:119-138.	
	C17	Tomlinson et al. Polyacetal-doxorubicin conjugates designed for pH dependent degradation. Bioconjugate Chem., 2003, 14(6), 1096-1106	
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	C19	Yurkovetskiy, A. et al. Biodegradable polyals for protein modification. Controlled Release Society's Winter Symposium, Salt Lake City, Utah, 2003	
	C20	Yurkovetskiy, A. et al., Fully Degradable Hydrophilic Polyals for Protein Modification. Biomacromolecules 2005, 6, 2648-2658	
N.C.J	C21	Zalipsky et al. Eur. Polym. J. (1983), Vol. 19, No. 12, p. 1177-1183	

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